

L Number	Hits	Search Text	DB	Time stamp
6	5	"6092116"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/20 11:07
10	2	6304578.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/20 14:05
-	6	("5583861" or "6034959" or "5610914").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 16:04
-	2	((("5583861" or "6034959" or "5610914").pn.) and priorit\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 17:25
-	1815	(exceed\$ near5(level or threshold))with(priorit\$ or overrun or overflow or(over adj(run\$4 or flow\$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 20:44
-	230	((exceed\$ near5(level or threshold))with(priorit\$ or overrun or overflow or(over adj(run\$4 or flow\$3))) with(buffer or channel)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 17:49
-	182	((exceed\$ near5(level or threshold))with(priorit\$ or overrun or overflow or(over adj(run\$4 or flow\$3))) with(buffer or channel)) and(@ad<20000719 or @prad<20000719 or @rlad<20000719)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/20 14:05
-	11912	((exceed\$)near5(level or threshold))or full)near4 buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 20:56
-	48	((chang\$3 or increas\$3 or higher)near5 priority)with (((exceed\$)near5(level or threshold))or full)near4 buffer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 20:48
-	15096	channel near5 buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 20:57
-	31	(channel near5 buffer) and (((exceed\$)near5(level or threshold))or full)near4 buffer) with priorit\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 20:57
-	248	((exceed\$)near5(level or threshold))or full)near4 buffer) with priorit\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/18 21:04



(11) Patent Number: 5,970,069

(45) Date of Patent: Oct. 19, 1999

164299 6/997 Revision 1744

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P.A.

LET ABSTRACT

A single-chip integrated remote access processor circuit has a plurality of communication interface units, including local area network (LAN) interface unit, a first multiprotocol serial wide area network (SWAN) interface unit, a temporary code-decoder interface unit and a peripheral component interface (PCI) unit. A data routing control circuit is coupled to the plurality of communication interface units for controlling data transfer between the interface units.

(24) Filed: Apr. 21, 1997

(51) In, CL⁹ H04L 17-28; H04L 3/26

[52] U.S. CR. 370:492; 370:491; 370:466

(38) Field of Search 370/151, 133,
370/357, 280, 389, 401, 402, 455, 466.

463, 467

(56) **Reference Cited**

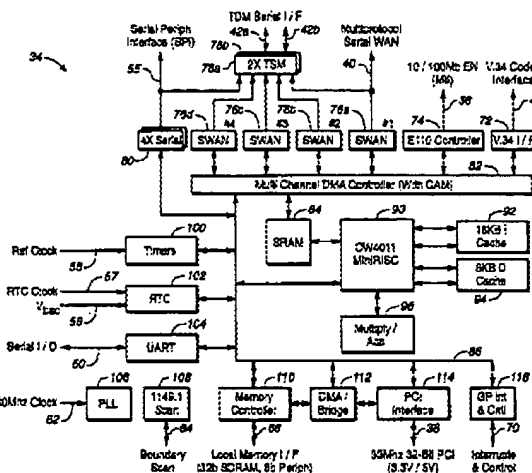
(56) Reference Cited

(56) Reference Cited

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS
4410518 MOTT, JAMES
11/19/81

28 Claims, 13 Drawing Sheets



DOCUMENT IDENTIFIER: US 5970069 A

TITLE: Single chip remote access processor

-----KWIC-----

Application Filing Date - AD (1):

19970421

Detailed Description Text - DETX (236):

DMAC arbitration for the RAP internal bus 86 alternates between input and output. Arbitration for channel service uses a two priority method based on communication channel FIFO status. Each serial port has programmable thresholds. Those channels with data levels exceeding threshold on receive, or below threshold during transfer are given higher priority than other channels. This allows the DMAC 82 to adapt to peaks in data transfer rate and allows high speed and low speed channels to peacefully coexist.